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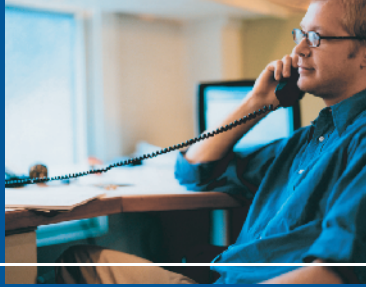
BROADBAND WITHOUT BOUNDARIES™



4600 Series

High-performance

Speed and performance with hardware-based VPN acceleration and an integrated Ethernet switch

VPN Ready

Built-in and standard VPN features

Enterprise-class

Robust routing, security, and management features optimized for enterprise applications

NETOPIA 4600 SERIES

High-performance Broadband Routers for Small, Medium, and Distributed Enterprises

Speed, performance, and enterprise-class features for the demanding business user

The Netopia 4600 Series is a family of routers designed for the needs of small, medium, and distributed enterprises. The 4600 Series combines hardware-based VPN acceleration, built-in software VPN features, an Ethernet switch, and powerful routing and management tools in a single, all-in one device.

The 4600 Series supports the main access technologies for today's enterprise marketplace. Carriers, ISPs, and managed service providers (MSPs) will appreciate the business-class WAN options of SDSL, SHDSL, IDSL and T1.

Integrated hardware acceleration powers wire-speed VPN applications for retail locations, branch offices, and enterprise teleworkers. Netopia 4600s are the only routers in their class to combine a firewall with standards-based VPN features, at no extra cost. With no complicated feature keys or software upgrades to manage, the 4600 series is both an IP router and a high-performance security appliance in one.

For the enterprise user, the 4600 Series is a scalable solution ready for high-performance applications.

NETOPIA BROADBAND GATEWAYS

Only Netopia offers affordable Broadband Gateways for every connection type -- from DSL to T1. Perfect for homes, home offices, teleworkers, small businesses and corporate branch offices, Netopia Broadband Gateways bring high speed broadband Internet access to every computer. Built-in security protects data, applications and gateways without the need to purchase separate software or hardware. Advanced features support growth while protecting your investment. Quick setup, comprehensive management and high reliability make Netopia both powerful and easy to use.

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NETOPIA 4600 SERIES

High-performance Broadband Routers for Small, Medium, and Distributed Enterprises

TECHNICAL SPECIFICATIONS

4600 Series Part Numbers

4622-XL: T1 VPN Router
4652-XL: SDSL/IDSL VPN Router
4652-T: SDSL/IDSL Router (Covad)
4653-XL: SHDSL VPN Router

Hardware Features

WAN Interface
4622: T1 CSU/DSU, RJ-48 interface
4652: SDSL/IDSL, RJ-48 interface
4653: SHDSL (2-wire or 4-wire operation), RJ-48 interface

LAN Interface
10/100BaseT Ethernet managed switch
- Auto cross-over
- Half or full-duplex autosensing
- 4622 and 4653 (8 port), 4652 (4 port)

Management Interface
Console port, DE9 DTE

Acceleration
VPN Acceleration Module (all models)

ATM

- ☐ ATM Adaptation Layer 5 (AAL5)
- ☐ Up to 8 ATM Permanent Virtual Circuits (PVCs)
- ☐ Bridged or routed Ethernet encapsulation, LLC/SNAP and VC Multiplexing
- ☐ DHCP Client
- ☐ I.610 OAM F5 Loopback

Frame Relay

- ☐ HDLC packet-based format link layer
- ☐ ANSI T1.617 and ANSI T1.618 Annex D, Annex A, and Cisco HDLC
- ☐ Up to 32 Data-link Connection Identifiers (DLCIs)
- ☐ Multiprotocol interconnect over Frame Relay
- ☐ DHCP Client

PPP

- ☐ Point-to-Point Protocol (PAP/CHAP authentication)
- ☐ PPP over Ethernet Gateway
- ☐ PPP over ATM Gateway: LLC and VC Multiplexing
- ☐ PPP over Ethernet pass-thru
- ☐ PPP over Frame Relay

Routing Function

- ☐ Numbered or unnumbered WAN interface
- ☐ Up to 8 subnets on the LAN, with DHCP server associations
- ☐ RIP1 and RIP2, static routes
- ☐ Network Address Translation (NAT), NAPT, and MultiNAT
- ☐ IP Multicast Forwarding, IGMP V1, V2
- ☐ DHCP Server and Relay
- ☐ DNS Proxy
- ☐ VPN Pass-thru for PPTP and IPSec
- ☐ Transparent bridging option

Quality of Service

- ☐ ATM: UBR, CBR
- ☐ IP: TOS bit prioritization

High Availability

- ☐ Backup Default Gateway via an external router
- ☐ Dial back-up via a console attached modem

Security

- ☐ Built-in firewall, packet filtering on source/destination address, service, and protocol; up to 255 rules in up to 8 filter sets
- ☐ Network Address Port Translation (NAPT)
- ☐ IPSec VPN Gateway, Tunnel Mode
  - Hardware accelerated
  - DES and 3DES encryption
  - Manual key and IKE
  - AH and ESP: MD5 and SHA1
- ☐ PPTP VPN Gateway, client or server termination
- ☐ Up to 15 PPTP or IPSec VPN security associations

Management

- ☐ Management via menu-driven or CLI interfaces with console or Telnet access
- ☐ Easy setup with menu-driven interface
- ☐ Console Tiered Access, 2 levels of configuration access
- ☐ Configuration Management, up to 3 backup configurations
- ☐ System diagnostics and logs
- ☐ SNMP V1 and V2
- ☐ TFTP or X-Modem download/upload of new firmware and configuration files
- ☐ Utilities: ICMP ping, trace route, Telnet client, and Syslog client
- ☐ LEDs: power, WAN, and Ethernet; link, status, activity indications

Regulatory

- ☐ FCC Part 68, Part 15, Class B
- ☐ UL Listed, CSA Approved
- ☐ European EMC & Immunity
- ☐ TS-001 Australian Safety

Environmental

- ☐ Operating: 0 to +40C°
- ☐ Storage: 0 to +70C°
- ☐ Power: North America: 120VAC nominal, 60HZ, .25A; Europe: 100-240 VAC, 50/60 HZ, 0.6A

Weight and Dimensions

- ☐ Weight: 1 lb 14 oz (851g)
- ☐ Dimensions: 9.45" (240mm) W, 2.25" (57.2mm) H, x 7.95" (202mm) L

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